(1)
$$\int (3\cos 3\pi + e^{-x}) dx$$

= $\sin 3\pi - e^{-x} + C$
(2) $\int (\cos^2 x) dx$
= $\int \frac{1 + \cos^2 x}{2} dx = \int \frac{1}{2} dx + \frac{1}{2} (\cos 2\pi x) dx$
= $\frac{1}{2}x + \frac{1}{4} \sin 2x + C$

(他, (是 对多份有)

(3) $\int \frac{xe^{x+1}}{x} dx = \int e^{x+1} \frac{1}{x} dx = e^{x+1} \ln |x| + C$

· (are MURCO)